

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-151341

(43)Date of publication of application : 09.06.1998

(51)Int.Cl.

B01J 20/06  
B01D 53/02  
C10L 3/10

(21)Application number : 08-311741

(71)Applicant : SAKAI CHEM IND CO LTD

(22)Date of filing : 22.11.1996

(72)Inventor : NAKATSUJI TADAO  
YOSHIDA KIMHIKO

## (54) SULFUR COMPOUND ADSORBENT

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a highly durable sulfur compd. adsorbent capable of efficiently adsorbing and removing sulfur compds. from a gas contg. relatively small amts. of such malodorous sulfur compds. as hydrogen sulfide, mercaptanes and sulfides and the balance hydrocarbons or further from a gas such as air contg. the malodorous sulfur compds.

SOLUTION: This sulfur compd. adsorbent is formed by depositing at least one kind of element selected from a group consisting of Ti, Zr, Fe, Cu, Ce and La and at least one kind of element selected from a group consisting of Pt, Au and Pd on the manganese oxide having 250m<sup>2</sup>/g specific surface and 37±1° angle (2θ) of diffraction at the diffraction peak as the maximum intensity in X-ray diffraction.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the  
examiner's decision of rejection or application  
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of  
rejection][Date of requesting appeal against examiner's decision  
of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office